

MARITIME APPLICATIONS COMMERCIAL VESSELS

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Hydroc Eco Super XL For Maritime Applications

Applications & Methods:

Heavy duty cleaning of fuel tanks, refrigerator containers, engine rooms, boiler fireside wash-downs with no toxic or polluting properties:

Removal of crude oil and other petroleum products from the holds of tankers - HYDROC should be sprayed into the holds by low volume, high-pressure pumps through the use of revolving spinner head, which can be lowered into the hold. These types of operation suggest the use of a 5% vee jet nozzle. The process of spraying should commence as soon as possible after the ship is empty, so as to prevent the formation of volatile gases from the remaining crude oil or other petroleum residue. Continue the pumping process until HYDROC has covered the entire surface. For best results this solution should be allowed to set for about one hour, after which the Butterworth system should be used for 30 to 45 minutes.

It is important to note, at this point, that HYDROC solution can be left on the interior of the holds for periods of time longer than 1 hour with no problem. The initial hour is simply recommended to give it time to break down the crude oil or like kind petroleum products, and longer periods will not decrease its efficiency, since complete evaporation will not occur. Accordingly, the results will be the same if Butterworthing is delayed 24 hours as if it were done in sequence. After this procedure has been completed, the hold should be clean and gas free. If any gases do remain, however, then spray the interior of the hold with a mixture of 1 part HYDROC to 20 parts water through the revolving spinner-heads. This will leave the tank gas free.

Because HYDROC holds oil in solution and breaks it down to such a degree that it cannot stick back together, this procedure can be completed without fear of creating an oil-slick in the wake of the ship. Once the reaction has occurred, the oil begins to lose its identity as an oil and take on the characteristics of a water-soluble. There are no reverse emulsions with HYDROC.

Cleaning engine rooms with a mixture of 1 part HYDROC to 5-10 parts water will emulsify grease and act as a fire preventative as the product is non-flammable and non-explosive.

Refrigerated containers may be cleaned with a solution of 1 part HYDROC to 10-20 (or greater for lighter soil) parts water. Cleaning with HYDROC will help to eliminate the control odours, as well. Also, successive cleaning should be easier once all the soil has been removed.

Since HYDROC is non-fuming, enclosed areas such as engine rooms, holds, and ship interiors will not be subject to additional gases and fumes making cleaning less hazardous to the personnel. No special clothing, masks, gloves, or other safety gear is required when cleaning with HYDROC

HYDROC works well when diluted with fresh or salt water and is one of the few cleaning solutions, which may be used in any body of water without harming marine aquaculture, flora or fauna, and does not alter marine eco-environmental systems.

**Working towards a cleaner,
greener, safe environment**

